



FORM PTO-1449 (SUBSTITUTE) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))				Attorney Docket No.: MUH-12838 Applicant Armin Willmeroth et al. Filing Date October 30, 2003 Group Art Unit 2815			
U.S. PATENT DOCUMENTS							
EXAMINER INITIALS		PATENT NO.	DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
	A						
	B						
	C						
	D						
	E						
	F						
	G						
	H						
	I						
FOREIGN PATENT DOCUMENT							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSL. YES NO
	J						
	K						
	L						
	M						
	N						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
mcl	O	Hajime Akiyama et al.: "Effects of Shorted Collector on Characteristics of IGBTs", <i>Proceedings of 1990 International Symposium on Power Semiconductor Devices and ICs, Tokyo, 1990, pp. 131-136</i>					
	P						
EXAMINER <i>Michael C. Lhu</i>				DATE CONSIDERED <i>1/5/05</i>			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(37 CFR 1.98(b))Attorney Docket No.: MUH-12838
Appl. No.:

Applicant: ARMIN WILLMEROETH ET AL.

Filing Date: October 30, 2003
Group Art Unit: 2815

EXAMINER INITIALS		PATENT NO.	DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
MCL	A	5,475,243	12/12/95	Saito			
MCL	B	6,222,248 B1	4/24/01	Fragapane			
MCL	C	5,284,780	2/8/94	Schulze et al.			
MCL	D	5,105,244	4/14/92	Bauer			
MCL	E	5,702,961	12/30/97	Park			
MCL	F	5,141,889	8/25/92	Terry et al.			
MCL	G	6,271,545 B1	8/7/01	Schulze			
MCL	H	4,893,165	1/9/90	Miller et al.			
	I						

FOREIGN PATENT DOCUMENT

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSL. YES NO
MCL	J	0 330 122 B1	8/30/89	Europe			X
	K						
	L						
	M						
	N						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER

Matthew E. Folen

DATE CONSIDERED

1/5/05